

**From:** [Lancey, Susan](#)  
**To:** [Nicholas Campanella](#); [Bird, Patrick](#)  
**Cc:** [Nicholas B Campanella](#); [McCarthy, Elizabeth](#); [Kudarauskas, Elizabeth A.](#)  
**Subject:** RE: Technotherm Pyrolysis System Part 1  
**Date:** Monday, March 23, 2020 12:06:15 PM

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Mr. Campanella,

We have reviewed the materials you sent us and we have some questions about the vitrification furnace. Could you please let us know the answers to these questions?

- 1) What happens to the tar when it enters the vitrifier?
- 2) Why is this unit called a vitrifier? Could you explain in detail how this process operates, its purpose, and any by-products it makes and what is done with any by-products?
- 3) How integral is the vitrifier to the pyrolysis unit in terms of the overall process?
- 4) Are there any traditional fuels combusted in the vitrifier?

Thank you,

Susan Lancey

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Phone: (617) 918-1656

**From:** Nicholas Campanella <nick@sunpacificpower.com>

**Sent:** Tuesday, March 17, 2020 9:37 AM

**To:** Bird, Patrick <Bird.Patrick@epa.gov>; Lancey, Susan <lancey.susan@epa.gov>

**Cc:** Nicholas Campanella <nick@sunpacificpower.com>; Nicholas B Campanella <nick@medrecycler.com>

**Subject:** Fwd: Technotherm Pyrolysis System Part 1

Dear Mr Bird

As a follow up to my previous email I am providing additional documentation for your review to hopefully assist in your research.

Technotherm Inc., is the supplier of the Pyrolysis System to be used in West Warwick, RI., Medical Waste Processing Facility. Medrecycler-RI would like to demonstrate to you that the Technotherm's system is truly Pyrolysis. Therefore, I am sending this email with attachments that will provide information showing that Technotherm, Inc., is providing a Pyrolysis System for the West Warwick, RI facility.

DOCUMENT: 2019.11.08 BPS Schdy ASF Permit.pdf

This document shows a Pyrolysis system manufactured by Technotherm, Inc., is classified as Pyrolysis by the New York State Department of Environmental Conservation, Air State Facility Permit DEC # 4-4215-00026/00005 for Schenectady BIOWASTE PYROLYSIS PLANT located at 300 Anthony Street, City of Schenectady, Schenectady County.

DOCUMENT: POS-BPS Permit Transmittal2

This document is a letter from Raymond Porter, of Porter Odor Science LLC; who sent the Transmittal of the State Air Permit for the Pyrolysis Facility in Schenectady, NY: Document 2019.11.08 BPS Schdy ASF Permit.pdf as shown above.

DOCUMENT: Comparison between 1127 and 1131 and DOCUMENT: Comparison of projects 1127 and 1131.

Project 1127 (Schenectady, NY) aims to process wastewater biosolids (sewerage sludge) whereas project 1131 (West Warwick, RI) aims to process medical waste. Both projects will utilise the same pyrolysis systems supplied by Technotherm Inc.

DOCUMENT: PCMIN-MEDRECYCLE (18)-draft-comments

This document is the State of Rhode Island and Providence Plantations Department of Environmental Management, Office of Air Resources, review and approval of Medrecycler-RI, Inc., Minor Source Permit for the West Warwick, RI Facility.

Sincerely,

Nicholas Campanella

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